

Claims

1. An armature packet (1) for an electric motor, having a plurality of armature laminations (2, 3, 3'), in each of which a plurality of winding slots (4) for receiving an armature winding (5) are embodied, and the winding slots (4) of adjacent armature laminations (2, 3, 3') are located in alignment with one another and form a conduit (6),
wherein the winding slots (4), associated with one conduit (6), of different armature laminations (2, 3, 3') have different geometries.
2. The armature packet (1) according to claim 1,
wherein the geometry of every other winding slot (4) of one conduit (6) has a larger cross section than the winding slot (4) of the adjacent armature lamination (2, 3, 3').
3. The armature packet (1) according to claim 1 or 2,
wherein the geometry of every other winding slot (4) has a larger cross section than the adjacent winding slots (4) of the same armature lamination (2, 3, 3').
4. An armature packet (1) for an electric motor, having a plurality of armature laminations (7, 8, 9, 10), in each of which a plurality of winding slots (4) for receiving an armature winding (5) are embodied, and the winding slots (4) of adjacent armature laminations (7, 8, 9, 10) are located in alignment with one another and form a conduit (6),
wherein at least some of the winding slots (4) each have an influx conduit (11), each of which discharges into its region oriented toward the center of the armature packet (1).
5. The armature packet (1) according to claim 4,
wherein the influx conduit (11) of all the winding slots (4) associated with one conduit (6) communicate with one another through at least one transverse conduit (12), oriented substantially parallel to the central longitudinal axis (17) of the armature packet (1).

6. The armature packet (1) according to claim 4 or 5,
wherein the transverse conduit (12) is located between the winding slot (4)
and the central longitudinal axis of the armature packet (1).

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7. The armature packet (1) according to one of claims 4 through 6,
wherein the influx conduits (11) are each embodied as at least one stamping
(13, 14) in the respective armature lamination (7, 8, 9, 10), which include the
transverse conduit (12).

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8. The armature packet (1) according to one of claims 4 through 7,
wherein it has armature laminations (7, 8, 9, 10) which have one purely
transverse conduit (12), one stamped out recess (13) leading away to the right
from the transverse conduit (12) and discharging into the winding slot (4), one
15 stamped out recess (14), leading away to the left and discharging into the winding
slot (4), and/or one stamped out recess (22) leading away at a right angle.

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9. The armature packet (1) according to one of claims 4 through 8,
wherein the sequence of one purely transverse conduit (12), one influx conduit
20 (13) leading away to the right from the transverse conduit (12), and one influx
conduit (14) leading away to the left from the transverse conduit (12) in a given
conduit (6) is repeated again and again.

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10. The armature packet (1) according to one of claims 4 through 9,
wherein it is embodied according to one of claims 1 through 3.

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11. The armature packet (1) according to one of the foregoing claims,
wherein the cross section of each winding slot (4) has a constriction (15, 15',
15'') on the outer end, in particular with two undercuts (16).